



Scientific Services On A Global Basis

**TDI-Brooks International, Inc.**

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## **The R/V GYRE**



### **Basic Specifications**

- BUILT - 1974, Halter Marine Services, New Orleans, LA, Remodeled in 1980-84
  - LENGTH OA - 182 ft - 55.47 m
  - BEAM - 36 ft - 10.97 m
  - FREEBOARD 1.4 m - TO WORKING DECKMAX.
  - DRAFT - 12 ft - 4 m
  - TONNAGE (LONG) - 292 gross, 197 net, 946 displacement.
  - SPEED - Max-11.5 knots; Cruise-9.5, continuously variable to 0
  - FUEL CAPACITY : 86,000 gallons (278 m3)
  - POWER : 440 VAC 3 PH; 110 VAC 1 PH and 3 PH; 220 VAC, 7KVA UPS main and electronics laboratories
  - DECK AREA - 181 m2
  - LABORATORY AREAS - Wet - 15 m2, Dry - 81 m2, Space for container lab- 3 x 7 m.
  - WATER CAPACITY 8,600 gallons
  - EVAPORATORS 2 Maxims, 60 GPH, (6 m3/day)
  - RANGE - 8,000 miles nominal
  - ENDURANCE - 21 days nominal, 35 days
  - COMPLEMENT - Scientists/technicians 23, crew 14
  - MAIN PROPULSION - Twin Diesel Caterpillars Model 398D, reduction gear drive to Liaaen variable pitch propellers; 850 HP each shaft.
  - BOW THRUSTER Electric/hydraulic drive
  - A-FRAMES Two on the stern, one aft and one over starboard quarter (15 tons).
  - CRANES- Nautilus fully-articulated hydraulic, port side fantail. 360 degree rotation, 2.5 tons capacity at full extension of 36'.
  - WINCHES -Coring electric/hydraulic Northernline located on the main deck aft for stern or starboard quarter heavy-duty operations. 4,000m of half-inch three strand torque balanced wire with a SWL of 6 tons.
- CTD/Hydro* - starboard side, amidships, on upper deck; lead overboard through paired hydraulic-powered gallows; used for medium-duty operations. 23,000' of 5/16" conductor cable (SWL 2 tons). Markey model DESH-5, SCR/DC drive, spooling 30,000' of 5/16" conductor cable; two speed ranges; mid-drum, low speed, 7,000lbs at 298ft/minute; high speed, 5,000lbs at 419ft/minute.

Detailed Specifications available on [www.tdi-bi.com/field\\_services](http://www.tdi-bi.com/field_services)

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